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DEPARTMENT OF COMMERCE

BUREAU OF STANDARDS

George K. Burgess, Director

CIRCULAR OF THE BUREAU OF STANDARDS, No. 253

[Issued June 11, 1925]

UNITED STATES GOVERNMENT MASTER SPECIFICATION FOR RUBBER SHEETING

FEDERAL SPECIFICATIONS BOARD SPECIFICATION No. 233a

[Revised June 1, 1925]

This specification was officially promulgated by the Federal Specifications Board on November 5, 1924, for the use of the Departments and Independent Establishments of the Government in the purchase of rubber sheeting.

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I. TYPES

Sheeting shall be single or double coated.

II. MATERIAL AND WORKMANSHIP

Sheeting shall be made from a cotton fabric, single or double coated, with a rubber compound as specified. It shall have a smooth uniform, soft finish, free from pits or other imperfections.

III. GENERAL REQUIREMENTS

Sheeting shall be of a maroon, white, or cream white color as specified. It shall be supplied in rolls. The finished sheeting shall be 54 inches wide, or other width specified in the proposal. The thickness of coated sheeting shall be as follows:

	Inch
Single coated.....	0.015 ± 0.003
Double coated.....	.020 ± .005

IV. DETAIL REQUIREMENTS

1. RUBBER CONTENT.—The rubber compound shall contain not less than 38 per cent, by weight, of best quality new wild or plantation rubber.

2. FABRIC.—The sheeting shall be a plain weave, evenly woven, and free from imperfections and makeweight. It shall have a thread count of not less than 68 threads to the inch in the warp and 70 in the filling, and shall weigh not less than 4.3 ounces per square yard. The fabric shall have a tensile strength of not less than 60 pounds warp and filling, determined by the strip method.

3. FINISHED SHEETING.—The tensile strength of the coated sheeting shall be not less than 65 pounds, warp and filling. Tests shall be made within 30 days from date of delivery, by the strip method on specimens 2 inches wide.

4. RESISTANCE TO STEAM.—A sample 6 inches square of coated sheeting shall be subjected to the action of steam at a pressure of 20 lbs./in.² for 30 minutes, removed, and after two hours again subjected to the same steaming test. After 24 hours at room temperature there shall be no change in the condition of the sample which might affect its serviceability.

V. SAMPLING

One sample 18 inches long and the full width of the roll shall be selected from each 100 rolls, or less, delivered, for test and analysis.

VI. PACKING AND MARKING

Each roll of sheeting shall be wrapped in paper and sealed. The seal shall bear the manufacturer's name, or trade name, date of manufacture, and name and quantity of sheeting. Sheetting shall be packed as called for in the proposal.

VII. ADDITIONAL INFORMATION

No details specified.

VIII. GENERAL SPECIFICATIONS

General Specifications for Rubber Goods, F. S. B. Specification No. 59a, and for Textiles, in effect on date of issuance of proposal, shall form part of this specification.

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